**Week 8 Online Notes**

**Natural Language Process (NLP):** NLP is a field of computer science or AI, and computational linguistics concerned with the interaction between computers and humans. It can help machines “read” text by simulating the human ability to understand language.

**Applications**:

Machine translation

Information Retrieval

Question Answering

Dialogue Systems

Info extraction

**Core Technologies**:

Language modeling

Part of speech Tagging

Syntactic Parsing

Named-entity Recognition

**Sparsity**

Sparse data due to Zipf’s Law.

**Ambiguity**: sentences with different form but same meaning:

Is that window still open? **Same as** Could you close that window

Graphical user interface

Description automatically generated with medium confidence